

- 20 -

CLAIMS

1. A fluid control device comprising an inlet and an outlet orifice, the inlet being connected to the outlet by first and second flow paths, the second flow path comprising a single valve member, wherein, in use, the flow of fluid along the first flow path causes a pressure to act upon the valve member such that
 - i) the flow of a fluid along the second flow path is prevented by the valve member if the pressure acting on the valve member is less than a threshold value; and
 - ii) the flow of a fluid along the second flow path is allowed by the valve member if the pressure acting on the valve member is greater than a threshold value.
2. A fluid control device according to claim 1, wherein there is no significant impediment to a fluid flow along the first flow path.
3. A fluid control device according to claim 1 or claim 2, wherein the first flow path and the second flow path are coaxial.
4. A fluid control device according to claim 3, wherein the first flow path and the second flow path are concentrically arranged.
5. A fluid control device according to any preceding claim wherein the first flow path discharges a fluid flow into the outlet orifice through an array of apertures.

- 21 -

6. A fluid control device according to any preceding claim wherein the second flow path discharges a fluid flow into the outlet orifice through an array of apertures.

5 7. A fluid control device according to any preceding claim wherein the fluid control device comprises a plurality of outlet orifices.

10 8. A fluid control device according to any preceding claim wherein the second flow path discharges a fluid flow into the outlet orifice through an aerator arrangement.

15 9. A fluid control device according to any preceding claim wherein the second flow path discharges a fluid flow into the outlet orifice through a straightener arrangement.

10. A fluid control device according to any preceding claim wherein the valve member comprises a diaphragm valve.

20 11. A fluid control device according to claim 10, wherein the diaphragm valve comprises three cuts such that when activated the valve defines a substantially hexagonal aperture.

25 12. A fluid control device according to any preceding claim wherein the device further comprises one or more filters to remove particulates from the fluid flowing through the first and/or the second flow path.